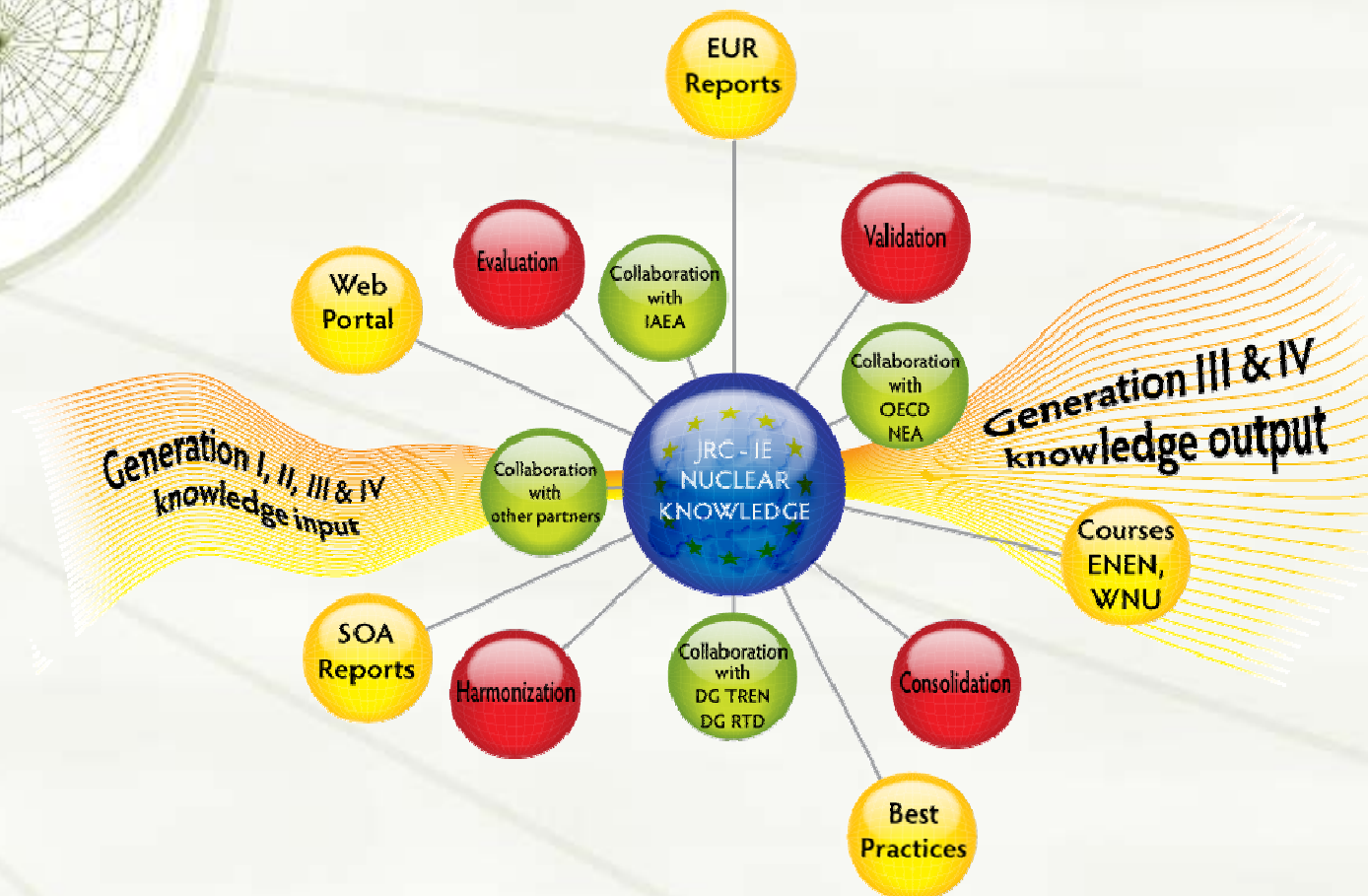




*An integrated JRC action on
knowledge management in
nuclear safety
(Petten & Geel)*

Presented by R. Houghton

Concept



Customer oriented nuclear knowledge



The IE strategy

- ✦ Definition
- ✦ Consolidation
- ✦ Preservation
- ✦ Dissemination



Definition

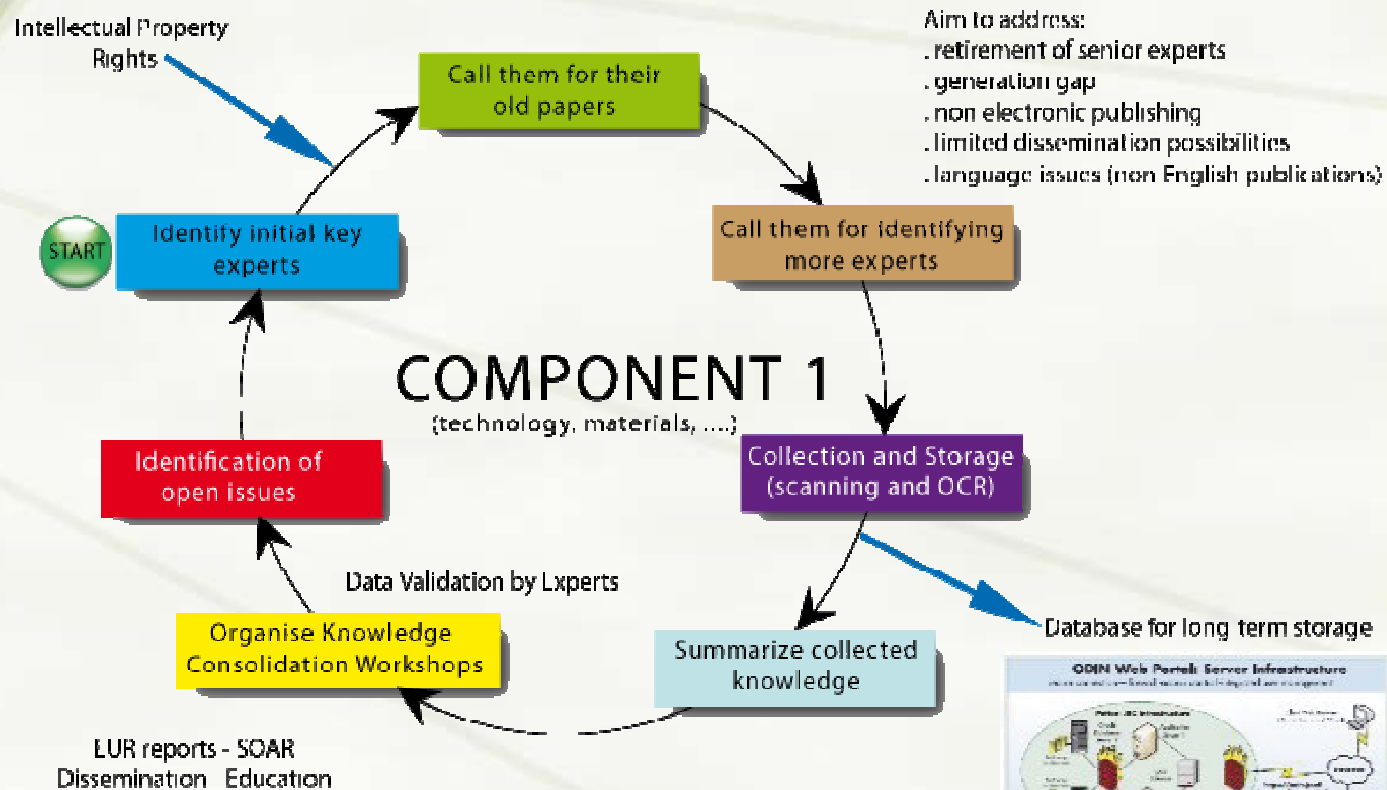
IE key subjects identified are

- ✦ Plant Life Management
- ✦ Nuclear Engineering Material Property Testing
- ✦ Irradiation Embrittlement
- ✦ Human & Organizational Factors
- ✦ Thermal Hydraulics
- ✦ Critical Data for Gen IV Design (jointly with IRMM)

Consolidation



Consolidation Method





Pilot Study

- ★ WWER RPV embrittlement
 - ★ Many senior experts have retired
 - ★ Non-electronic publications
 - ★ Limited dissemination possibilities
 - ★ Most publications are not in English.



What We Learnt

- ★ Consolidation method proved efficient
- ★ Unified keywords are essential
- ★ Consolidated summaries per expert sub-field give a good overview and can reference papers without violating IPRs (Intellectual Property Rights)

Preservation





ODIN

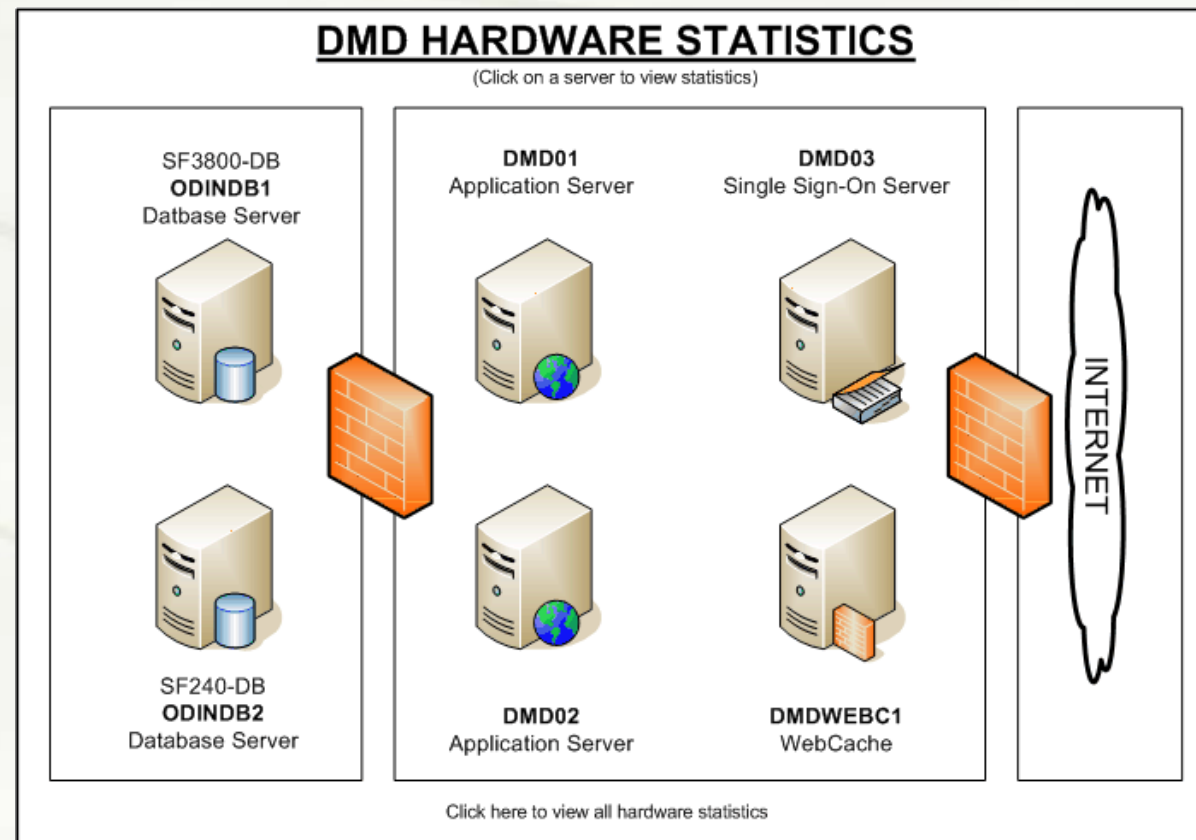
Online Data & Information Network

1 Document database

4 Engineering databases

6 Nuclear database (restricted access)

ODIN architecture





ODIN Database

ODIN WEB PORTAL on Petten server

secure connection - fire-wall - access control - integrated user management

Engineering DBs

Mat - DB
Gasket - DB
Nesshy - DB
HIAD - DB

Nuclear DBs

SENUF - DB
DARES - DB
CATT - DB
HTR - Fuels - DB
HTR - Graphite - DB
GEN IV - DB

Document Management DB

DoMa

Open Interfaces to European Competence Sites:

Web service between Mat-DB
and FIT-IT life-time prediction
at Fraunhofer IKM, Freiburg

Web-enabled Mat-DB
installation at other sites - data
network.

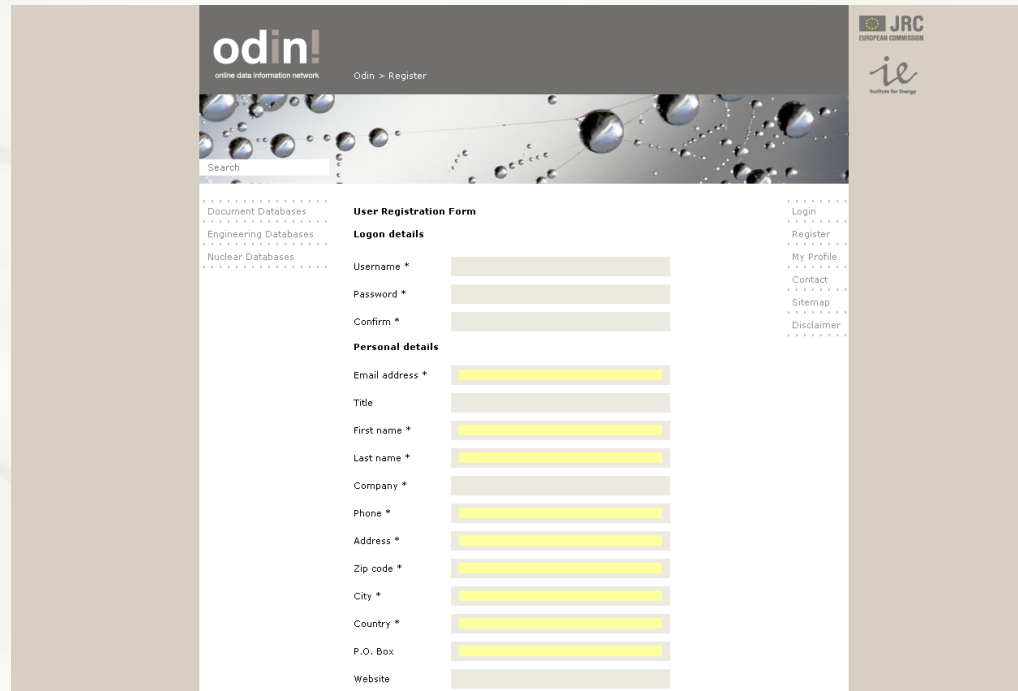
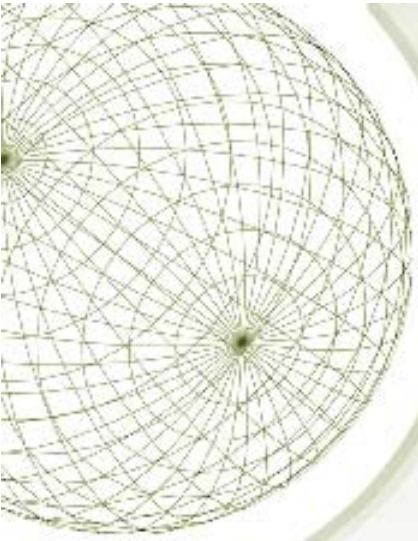
***Relational Database Management System
(ORACLE)***



DoMa

- ★ Web-enabled document management
- ★ Designed to enhance the dissemination of information amongst the R&D community
- ★ Can store any type of electronic data
 - ★ Documents
 - ★ Spreadsheets
 - ★ graphics

ODIN registration



odin!
online data information network

Odin > Register

Search

Document Databases
Engineering Databases
Nuclear Databases

User Registration Form

Login details

Username *
Password *
Confirm *

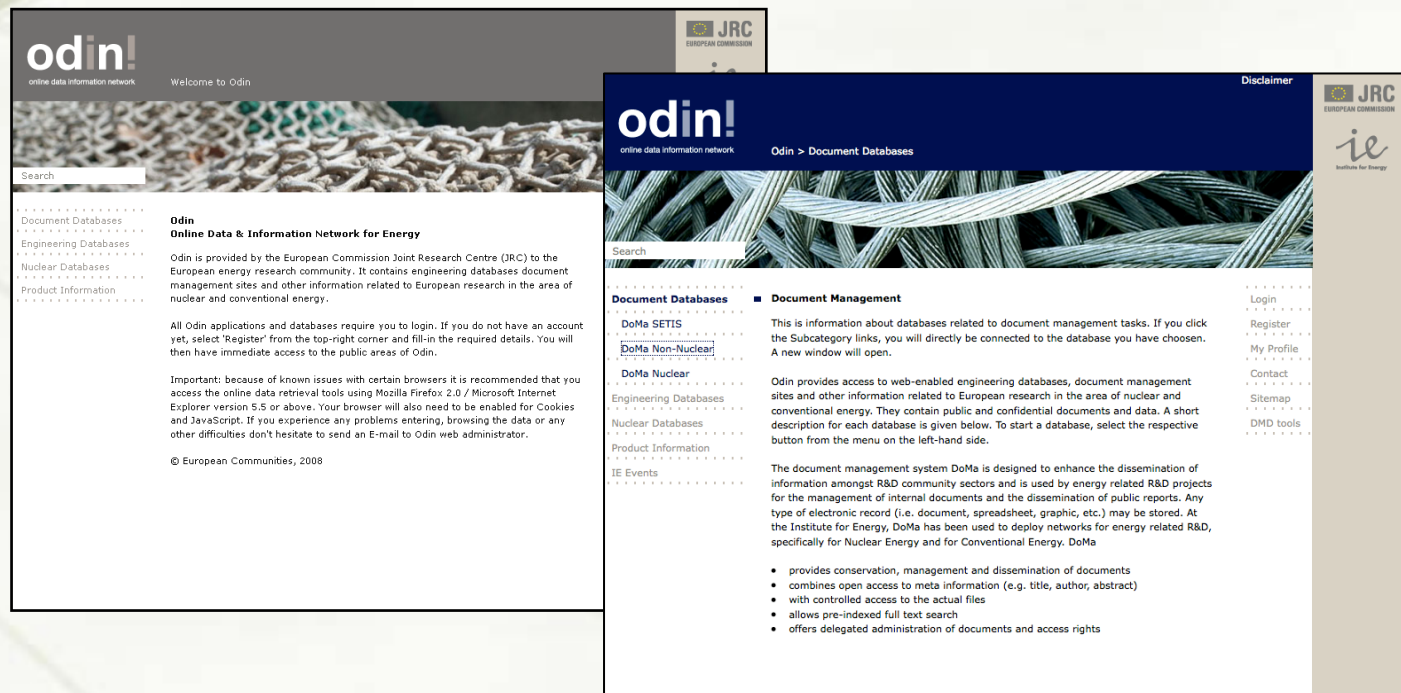
Personal details

Email address *
Title
First name *
Last name *
Company *
Phone *
Address *
Zip code *
City *
Country *
P.O. Box
Website

JRC
EUROPEAN COMMISSION
ie
Institutes for Energy

Login
Register
My Profile
Contact
Sitemap
Disclaimer

ODIN web portal



odin!
online data information network

Welcome to Odin

Search

Document Databases
Engineering Databases
Nuclear Databases
Product Information

Odin
Online Data & Information Network for Energy

Odin is provided by the European Commission Joint Research Centre (JRC) to the European energy research community. It contains engineering databases document management sites and other information related to European research in the area of nuclear and conventional energy.

All Odin applications and databases require you to login. If you do not have an account yet, select 'Register' from the top-right corner and fill-in the required details. You will then have immediate access to the public areas of Odin.

Important: because of known issues with certain browsers it is recommended that you access the online data retrieval tools using Mozilla Firefox 2.0 / Microsoft Internet Explorer version 5.5 or above. Your browser will also need to be enabled for Cookies and JavaScript. If you experience any problems entering, browsing the data or any other difficulties don't hesitate to send an E-mail to Odin web administrator.

© European Communities, 2008

odin!
online data information network

Odin > Document Databases

Search

Document Databases

- DoMa SETIS
- DoMa Non-Nuclear
- DoMa Nuclear

Engineering Databases
Nuclear Databases
Product Information
IE Events

Document Management

This is information about databases related to document management tasks. If you click the Subcategory links, you will directly be connected to the database you have chosen. A new window will open.

Odin provides access to web-enabled engineering databases, document management sites and other information related to European research in the area of nuclear and conventional energy. They contain public and confidential documents and data. A short description for each database is given below. To start a database, select the respective button from the menu on the left-hand side.

The document management system DoMa is designed to enhance the dissemination of information amongst R&D community sectors and is used by energy related R&D projects for the management of internal documents and the dissemination of public reports. Any type of electronic record (i.e. document, spreadsheet, graphic, etc.) may be stored. At the Institute for Energy, DoMa has been used to deploy networks for energy related R&D, specifically for Nuclear Energy and for Conventional Energy. DoMa

- provides conservation, management and dissemination of documents
- combines open access to meta information (e.g. title, author, abstract)
- with controlled access to the actual files
- allows pre-indexed full text search
- offers delegated administration of documents and access rights

Disclaimer

JRC
EUROPEAN COMMISSION

ie
Institute for Energy

Login
Register
My Profile
Contact
Sitemap
DMD tools

DoMa

ODIN: DoMa(Document Management Database) - European Commission/JRC-IE

https://odin.jrc.ec.europa.eu/doma/home.jsp?p_node=11

Copier WebLink Apple Yahoo! Google Maps YouTube Wikipedia News (384) Popular

DoMa Nuclear

- AMES
- ASTERISM
- BNCT
- CARGO
- CATT
- CLEARINGHOUSE
- COLOSS
- ELSV
- ENIQ
- EVITA
- FBR-Fuels
- GCFR
- HFR Activities
- HFR Cycle Reports
- HTR Metallic
- HTR-Fuels
- HTR-M
- ICHEMM
- IP EUROTRANS
- IQB Workshops
- MATERIALS (incl. Graphite)
- NESC**
- NET
- NKP&C
- NULIFE
- NURBIM
- PHEBUS-II
- PHEBUS Networks
- PWR Fuel, Fusion Fuel, Transmuta
- RAPHAEL
- RISMET
- Robustness of NPP Structural Com
- SAFE-CASK/SAFEWASTE
- SAFETY-INNO
- SARNET
- SENUF
- THENPHEBISP
- VOCALIST

Search

Your Permission Requests
DoMa User Guide
DoMa Administrator Guide

DoMa - Document Management Site Nuclear Energy

DoMa Nuclear -> NESC

Folder Details

Name	NESC
Description	Network for the Evaluation of Structural Components
Link	http://safelife.jrc.nl/nesc
Date	29/11/2004
Folder Access	Public
Authorisation	NONE
Zip & Download	Download the complete folder as zip file

Folder Listing

Type	Name	Description	Date	Last Modified	Size (KB)
Folder	General Documents	General network documents	29/11/2004	13/06/2007	-
Folder	NESC-I	NESC-I project on the spinning cylinder PTS test	29/11/2004	13/06/2007	-
Folder	NESC-II	NESC-II project on the MPA PTS tests	29/11/2004	13/06/2007	-
Folder	NESC-III	NESC-III project on dissimilar metal welds	29/11/2004	13/06/2007	-
Folder	NESC-IV	NESC-IV project on the ORNL HSST beam tests	29/11/2004	13/06/2007	-
Folder	NESC-TF	NESC Thermal Fatigue project	29/11/2004	13/06/2007	-
Folder	NESC-VI	NESC project on NRI PHARE tests	05/12/2006	13/06/2007	-
Folder	Steering Committee	Meeting minutes: 2000 to present	29/11/2004	13/06/2007	-
Folder	Workshops	Proceedings of workshops, seminars and training events	24/11/2006	13/06/2007	-

For any questions concerning the content of this folder, please contact [MUNTJEWERF, Willy](#).

Data Management & Dissemination - JRC-Petten - The Netherlands

File Download



DoMa - Document Management Site Nuclear Energy

[DoMa Nuclear](#) --> [AMES](#) --> [1st AMES Conference](#) --> [03 Issues_Williams.pdf](#)

Document Details

Name	03 Issues_Williams.pdf
Description	Issues in predicting through-life toughness in reactor pressure vessel steels –an overview
Author(s)	Tim Williams, Colin English and Eric van Walle
Size (KB)	615
Date	21/02/2008
File Access	Confidential
ISBN/Reference	First AMES conference on through-life toughness prediction in reactor steels, Heviz, Hungary, 6th to 8th February 2006
Download	Request Permission

For any questions concerning the content of this folder, please contact [ACOSTA IBORRA, Beatriz](#).

Data Management & Dissemination - JRC-Petten - The Netherlands



STRESA

JOINT RESEARCH CENTRE

http://asa2.jrc.it/stresa/

Most Visited Getting Started Latest Headlines

Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options

stresa Database Search User data Facilities STRESA Map Legal notice

STRESA: Storage of Thermal Reactor Safety Analysis Data

Welcome into the JRC STRESA Database

In order to work properly you should **not disable** use of cookies. Nothing harmful will be written on your computer but this is needed to manage your requests. For more information on cookies, click [here](#)

Table of content

controlled area Free area

Facility	General information	EC
FARO	General information	EC
FARO_S	General information	EC
KROTOS	General information	EC
LOB1	General information	EC
STORM	General information	EC

Code	General information	EC
COMETA	General information	EC
SEURBNUK	General information	EC
WinGraf	General information	EC

Projects	General information	EC
LAD1B	General information	EC
PISC	General information	EC

Latest added documents (last 10 days)

Click here to get
[Last month](#)
[Last year](#)
[All](#)
[Get RSS file](#)

Not Logged in

Accesses to STRESA

10821

Done

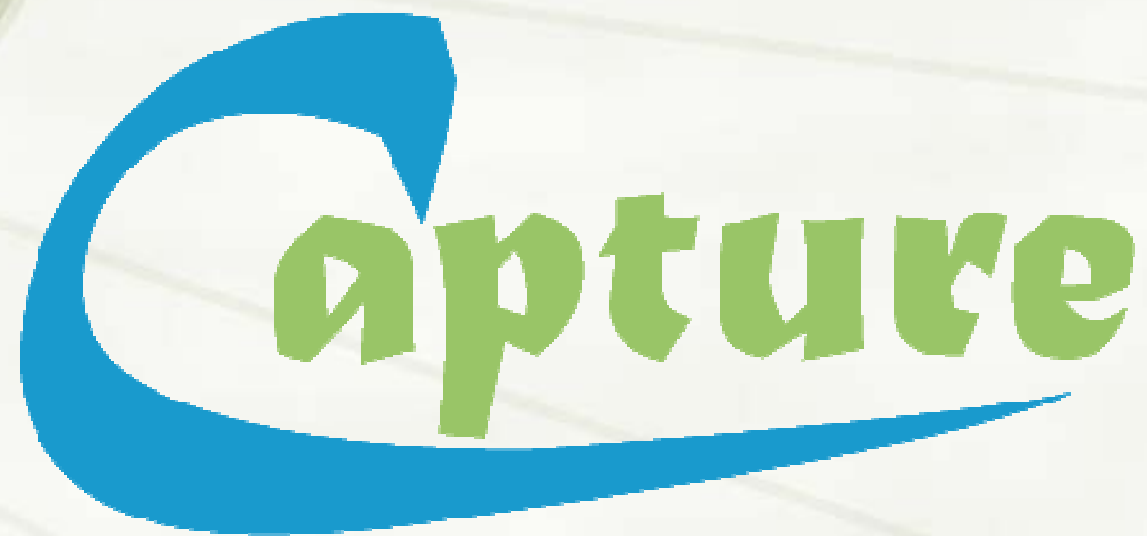
Dissemination



A decorative wireframe sphere is located in the top-left corner of the slide. It is composed of a grid of lines forming a spherical shape, with a small dark dot at its center. The sphere is partially cut off by the left edge of the slide.

Where do we go

- ★ State of the art reports
- ★ EUR reports
- ★ Web sites
- ★ Presentations and Journals
- ★ Education modules with universities
- ★ Training modules



Thank you for your attention

